

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: January 24, 2005

Site Contact(s): Dyan Foss
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Agency: CDPHE

Purpose of Contact: Disposition of Survey unit 42

Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA). This contact record documents the activities that were conducted to prepare survey unit 42 for demolition. Survey unit 42 consists of the elevator room 147.

The preparation process for Survey unit 42 was initiated November 16, 2004 when a package for in-process radiological surveys was prepared and executed. Once the surveys were complete, it was determined that the in process and final surveys could be combined and the CDPHE representative concurred with this approach. Preparation in the area involved blocking the south side of the 776-771 underground tunnel to ensure that debris and dust suppression water does not run down the tunnel into the 771 Project area grade fill.

In addition to the radiological hazards, the non-radiological hazards have also been addressed in Survey unit 42. The following summarizes the non-radiological activities:

- Survey unit 42 contained two RCRA aqueous waste transfer lines from Building 771. The piping has been removed, and these lines had welded joints and were visually inspected for leaks on a daily basis; therefore, secondary containment was not required per 6CCR 1007-3 Part 264.193(f).
- Chemicals and hazardous substances have been removed. The hydraulic oil will be drained from the elevator system after it is taken out of service.
- Beryllium regulated and controlled areas have been closed. Survey unit 42 is the elevator pit located in the northwest quadrant of building 776. This pit was never on the historical list of rooms with potential beryllium contamination. Prior to

final encapsulation, five (5) samples were collected in the survey unit on the floor. All samples were below the analytical reporting limit of 0.1 ug/100 cm².

- Polychlorinated biphenyls (PCB) hazards and equipment have been removed.
- Asbestos has been abated.

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction that would be gained through additional decontamination. The state project representative agrees that decontamination inside survey unit 42 has progressed to the point of reasonably achievable and is ready for encapsulation.

In summary, ALARA-based decontamination has been completed, Survey unit 42 will be surveyed for removable contamination, and controls applied during demolition. This contact record will be placed in the demolition file for this survey unit.

Contact Record Prepared By: Dyan Foss

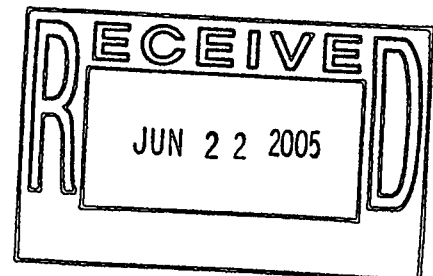
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